



Project Proposal

A 104.6-acre portion of the Level Best Land, Inc. acreage will be upgraded from rill/flood irrigation to circle pivots with high-efficiency drop sprinklers. Water for the new system will be supplied via a lateral from the KRD ditch and gravity fed to two circle pivot sprinklers. TCC water will be used for irrigation and stock from February 20 until May 15. From May 16 to October 31 only KRD water shares will be used on the Level Best property. The applicants have applied to transfer 100 percent of the estimated conserved water to the TWRP for a period of 20 years, after which TCC may choose to reapply the saved water to the TWRP. IEP funded the project to \$209,200 (85 percent of the total cost). TCC proposes to maintain the entire conveyance portion of the adjudicated right to help ensure water delivery to the end of the system ditch.

For this project, TCC proposed to reduce their diversion from May 16 through November 15 by 1.0 cfs when the full instantaneous rate is available. During that period and when flow is regulated due to water availability, TCC proposed to reduce total diversion by 1.46 percent ($1.17 \text{ cfs} \div 80 \text{ cfs}$).

The approximate legal description of the project area is the NW¼ and the NE¼ of Section 14, T. 18 N., R. 17 E.W.M. all lying southwest of Thorp Cemetery Road and 200 feet west of the east boundary NE¼ of Section 15, T. 18 N., R. 17 E.W.M.

Trust Water Right Calculations

A review of the available TCC diversion data from the last five years (May to October) shows that the highest flow was recorded in the 2000 water year. The proposed trust water amounts are based on full availability, but the recorded water measurement data was limited to only a portion of the irrigation season within the last five years, therefore the trust water instantaneous rates and annual quantities will be based on the amount diverted by TCC and utilized by Level Best during the May to October period.

TCC's diversion rate is limited to 82.08 percent of the total Taneum Creek flow (up to 80 cfs) during the irrigation season. Diversion records show that during the 2000 water year TCC diverted at a maximum rate of 74.36 cfs. Level Best's shares relevant to the 104.6-acre project represent 1.46 percent of TCC's irrigation season instantaneous quantity. Level Best's 1.46-percent portion of TCC's 2000 May through October average monthly diversion rates and corresponding quantities are illustrated in the table below.

Period	5/16 to 5/31	6/1 to 6/30	7/1 to 7/31	8/1 to 8/31	9/1 to 9/30	10/1 to 10/31	Total
Rate (cfs)	1.0	0.76	0.22	0.10	0.11	0.12	---
Acre-feet	31.6	45.4	13.5	6.4	6.6	7.5	111